RAVATHERM™ XPS X 700 SL

Ravago BUILDING SOLUTIONS

Technical data sheet

Properties		Value		Unit	Standard	CE Code
Density (typical)		42		kg/m³	EN 1602	
Thermal Conductivity Declared (λ_D)		0.031		W/m.K	EN 13164	λ_D
Compressive stress or compressive strength@ 10% deformation		700		kPa	EN 826	CS(10\Y)
Modulus (typical values)		25 30	< 50mm ≥ 50mm	MPa MPa	EN 826 EN 826	
Compressive Creep max after 50 years < 2% deformation under stress σC		250		kPa	EN 1606	CC(2/1.5/50)σ
Water vapour diffusion resistance factor μ (minimum)		150		-	EN 12086	MU
Long term water absorption by total immersion		0.7		%	EN 12087	WL(T)
Water pick-up by diffusion		2 1	< 80mm ≥ 80mm	% %	EN 12088	WD(V)
Water pick up after Freeze Thaw		1		%	EN 12091	FTCD
Dimensional stability under specified temperature (70°C) and humidity conditions (90%rh)		< 5		%	EN 1604	DS(70,90)
Dimensional stability under specified compressive load (40kPa) and temperature (70°C) conditions		< 5		%	EN 1605	DLT(2)5
Coefficient of linear thermal expansion (typical value)		0.07		mm/(m.K)	-	-
Fire Performance		E		Euroclass	EN 13501-1	
Temperature limits		-50/+75		°C	-	
Tolerances	Thickness Thickness Width Length	-2/+2 -2/+3 -3/+3 -6/+6	< 50 mm 50 - 120 mm	mm mm mm mm	EN 823 EN 823 EN 822 EN 822	T1
Dimensions	Thickness Width Length	50 - 120 600 1250		mm mm mm	EN 823 EN 822 EN 822	
Edge Profile		Ship lap				
Surface finish		Skin				

Thermal resistance[1]			
Thickness(mm)	50	75	100
R_d m².K/W	1.60	2.40	3.20

CE CODE
< 80mm XPS - EN13164 - T1 - CS(10\Y)500 - CC(2/1.5/50)180 - DS(70,90) - DLT(2)5 - WD(V)2 - WL(T)0,7 - FTCD1
≥ 80mm XPS - EN13164 - T1 - CS(10\Y)500 - CC(2/1.5/50)180 - DS(70,90) - DLT(2)5 - WD(V)1 - WL(T)0,7 - FTCD1

1) Thickness dependant

1 N/mm² = 10³ kPa = 1MPa

Material shall be stored inside in original packaging, away from direct sun light or heat sources

Note: The information and data contained in this technical data sheet do not represent exact sales specifications. The features of the products mentioned may vary. The information contained in this document has been provided in good faith, however it does not imply any liability, guarantee or assurance of product performance. It is the purchaser's responsibility to determine whether these products are suitable for the application desired and to ensure that the site of work and method of application conform with current legislation. No license is hereby granted for the use of patents or other industrial or intellectual property rights. If products are purchased, we advise following the most up-to-date suggestions and recommendations.

www.ravagobuildingsolutions.co.uk

CE